

**FACILITY COMPLIANCE AUDIT REPORT****Division of Waste Management
Solid Waste Section****UNIT TYPE:**

Lined MSWLF		LCID		YW		Transfer		Compost		SLAS		COUNTY: Wake PERMIT NO.: 92-31 FILE TYPE: COMPLIANCE
Closed MSWLF		HHW		White goods		Incin		T&P		FIRM		
CDFL	X	Tire T&P / Collection		Tire Monofill		Industrial Landfill		DEMO		SDTF		

Date of Audit: April 6, 2011**Date of Last Audit:** April 9, 2010**FACILITY NAME AND ADDRESS:**

WCA – Material Recovery LLC C&D Debris Landfill
2600 Brownfield Road
Raleigh, NC 27610

GPS COORDINATES: **N:** 35.71038 **E:** 78.49949**FACILITY CONTACT NAME AND PHONE NUMBER:**

Dennis Gehle, General Manager
w. 919-838-6973 and 919-866-1211
c. 919-422-1519
f. 919-866-0067
dgehle@wcamerica.com

FACILITY CONTACT ADDRESS:

Dennis Gehle, General Manager
WCA Waste Corporation
421 Raleigh View Road
Raleigh, NC 27610

AUDIT PARTICIPANTS:

Jason Watkins, NCDENR - Solid Waste Section (SWS)
John Patrone, NCDENR – SWS
Dennis Gehle, General Manager – WCA Waste Corporation
Nick Marotta, Regional Engineer – WCA Waste Corporation

STATUS OF PERMIT:

Permit To Operate (PTO) issued January 28, 2011
Permit To Construct (PTC) issued in conjunction with PTO
PTO expiration date January 28, 2016

PURPOSE OF AUDIT:

Comprehensive Audit

NOTICE OF VIOLATION:

None

You are hereby advised that, pursuant to N.C.G.S. 130A-22, an administrative penalty of up to \$15,000 per day may be assessed for each violation of the Solid Waste Statute or Regulations. For the violation(s) noted here, you may be subject to enforcement actions including penalties, injunction from operation of a solid waste management facility or a solid waste collection service and any such further relief as may be necessary to achieve compliance with the North Carolina Solid Waste Management Act and Rules.

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STATUS OF PAST NOTED VIOLATION(S):

None

AREAS OF CONCERN AND COMMENTS:

On April 6, 2011, Jason Watkins and John Patrone met with Dennis Gehle and Nick Marotta to conduct a comprehensive audit of the WCA - Material Recovery LLC C&D Debris Landfill Facility on Brownfield Road in Raleigh, Wake County.

1. The facility is a construction and demolition (C&D) debris landfill.
2. The facility is in operation Monday through Friday, 7:00 am – 4:00 pm. The scale house operator is Sandy Keen, w. 919-779-3339.
3. The permit approves operation of Phase 1, cells A, B, and C and the construction of Phase 2, cell A.
4. The facility is operating in cell C. Cells A and B contain intermediate cover.
5. The facility permit and operations plan were discussed. A large aerial photo of the facility is posted in the scale house, dated 2/11/10.
6. The facility preconstruction meeting to construct Phase 2, cell A was conducted on April 6, 2011.
7. The facility is permitted to receive C&D debris, inert debris, land clearing debris (LCD), and (used) asphalt from Chatham, Durham, Franklin, Johnston, Orange, and Wake Counties. The facility does not currently accept LCD. Concrete block is stockpiled and crushed for facility maintenance/alternative use.
8. The facility is prohibited from receiving for disposal (but not limited to) hazardous waste, municipal solid waste (MSW), liquid waste, commercial and industrial waste, and yard trash.
9. The facility is approved to accept approximately 1,100 tons a day per the facility franchise agreement.
10. The facility maintains records of the amount of solid waste received by county and origin of loads. The facility currently receives ~ 350 TPD or ~ 220 trucks per week. Tonnage records were verified for May 2010 through March 2011.
11. The facility employs a portable landfill tipper owned and used exclusively by the facility's large quantity hauler, MBI (Mr. Bult's, Inc.).
12. The facility conducts waste screening of 1 percent of truck loads received. Waste screening records were verified for January 4, 2011 through March 23, 2011. The facility conducts ~ 1 waste screening a day.
13. The facility annual report was received by SWS on July 23, 2010. Facility throughput for July 2009 through June 2010 is 91,994.35 tons. Estimated stockpiled unprocessed material (concrete block) on site is 9,000 tons.
14. The following are facility certified personnel:
 - a. Dennis Gehle, Certified Landfill Manager, No. LF-201003510, exp. 10/19/13
 - b. Richard Call, Sr., Certified Landfill Operations Specialist, No. LF-2002005, exp. 03/26/11 (update accordingly)
 - c. Richard Call, Jr., Certified Landfill Operations Specialist, No. LF-2002105, exp. 03/26/14
15. The facility maintains semiannual groundwater and surface water monitoring records. Records for June 15, 2010 and December 9, 2010 were verified. 2L groundwater standards exceedance is consistent with previous reports.
16. The facility conducts semi-annual methane monitoring. Methane monitoring records were verified for June 15, 2010, September 17, 2010, December 9, 2010 and March 2, 2011. No exceedance.
17. The facility conducts semi-annual hydrogen sulfide monitoring. Hydrogen sulfide monitoring records were verified for December 9, 2010 and March 2, 2011. Monitoring data reported as zero.
18. The facility Financial Assurance Mechanism was approved by the SWS on January 28, 2011 for \$1,913,385.
19. Edge of waste is marked by green metal stakes and will be covered with white PVC pipe.
20. There was no indication of erosion or runoff.
21. Ensure that flagging in non-active areas is addressed accordingly.
22. Stored concrete block should be ground/used annually.
23. No windblown material was observed.
24. The facility has proper signage.
25. The facility is secured by locked gate. Facility personnel are on site during operating hours.
26. The facility PTO expiration date is January 28, 2016. The facility permit renewal application must be submitted to SWS by September 28, 2015.

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Please contact me if you have any questions or concerns regarding this audit report.



Phone: 336-771-5095 Fax: 336-771-4631

John Patrone
Environmental Senior Specialist
Regional Representative

Delivered on : <u>April 12, 2011</u> by		Hand delivery/Email	X	US Mail		Certified No. <u> </u>
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cc: Jason Watkins, Central Regional Supervisor
Donald Herndon, Compliance Officer
Donna Wilson, Environmental Engineer
Jackie Drummond, Compliance Hydrogeologist
Elizabeth Werner, Permitting Hydrogeologist